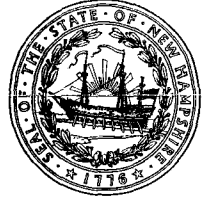




The State of New Hampshire  
*Department of Environmental Services*



Michael P. Nolin  
Commissioner

Mr. Mathew Sawyer  
22 Cleveland Hill Road  
Brookline, NH 03033

May 27, 2005  
**Letter of Deficiency**  
DSP#05-012

RE: Taylor Pond Dam #033.13, Brookline

Dear Ms. Libby:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that play a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on July 23, 2004. During this visual inspection and/or file review, the following deficiencies were observed:

1. There was no operation and maintenance plan (O&M) on file with the DES;
2. The drop inlet was covered (reportedly) and not accessible for inspection on this date. It should be noted that the dam is not being operated as originally designed. The drop inlet should be the primary control for water level not the emergency spillway;
3. There was an erosion path through the emergency spillway, which was partially blocked with beaver debris. It was indicated to the undersigned that the beaver debris is constantly maintained;
4. There was a small amount of brush within the emergency spillway (E.S.) that should be maintained on a regular basis;
5. There was a large rodent path over the crest, upstream slope, and downstream slope on the main dam above the outlet pipe;
6. There was a limited erosion resistant cover on the dam;
7. Large pine trees were located on the downstream embankment on the right and left abutments, and within 20' of the downstream toe of the dam; and
8. There was brush on the crest of the main dam.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

**By August 1, 2005:**

1. Prepare and submit to the DES a written O&M plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel (see attached example);

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**By December 1, 2005:**

2. Uncover the drop inlet to alleviate using the emergency spillway as the primary spillway and to reduce the deterioration of the emergency spillway;
3. Repair the erosion path through the emergency spillway, which was partially blocked with beaver debris. Continue to remove the beaver debris as it accumulates;
4. Remove the small amount of brush within the emergency spillway (E.S.). This should be a yearly maintenance item;
5. Repair the large rodent path over the crest, upstream slope, and downstream slope on the main dam above the outlet pipe. This area should be backfilled with suitable material;
6. Establish an erosion resistant cover on the dam to reduce/eliminate erosion due to runoff;
7. Remove the large pine trees located on the downstream embankment on the right and left abutments, and within 20' of the downstream toe of the dam; and
8. Remove the brush on the crest of the main dam.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. Please call or write to our office if the repairs are completed ahead of the aforementioned schedule so that DES may schedule a follow-up inspection. Unless notified otherwise, DES will conduct the follow-up inspection on or after the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the bottom of the previous page.

Sincerely,

  
Dale F. Gunn  
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13  
cc: Gretchen R. Hamel, Legal Unit Administrator ✓

Town of Brookline

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